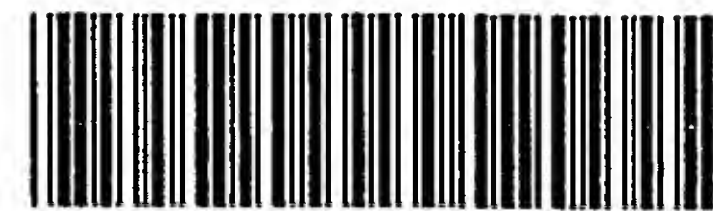


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/588,451
Source: IFWP
Date Processed by STIC: 08/11/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,451

TIME: 10:58:11

Input Set : A:\Sequence Listing of PCTJP2005001574.txt

Output Set: N:\CRF4\08112006\J588451.raw

3 <110> APPLICANT: City of Yokohama
 5 <120> TITLE OF INVENTION: Peptidylarginine Deiminase 4 inhibitors
 7 <130> FILE REFERENCE: FP-036PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/588,451
 C--> 10 <141> CURRENT FILING DATE: 2006-08-04
 12 <150> PRIOR APPLICATION NUMBER: JP P2004-028467
 13 <151> PRIOR FILING DATE: 2004-02-04
 15 <160> NUMBER OF SEQ ID NOS: 1
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 663
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <400> SEQUENCE: 1
 25 Met Ala Gln Gly Thr Leu Ile Arg Val Thr Pro Glu Gln Pro Thr His
 26 1 5 10 15
 28 Ala Val Cys Val Leu Gly Thr Leu Thr Gln Leu Asp Ile Cys Ser Ser
 29 20 25 30
 31 Ala Pro Glu Asp Cys Thr Ser Phe Ser Ile Asn Ala Ser Pro Gly Val
 32 35 40 45
 34 Val Val Asp Ile Ala His Ser Pro Pro Ala Lys Lys Lys Ser Thr Gly
 35 50 55 60
 37 Ser Ser Thr Trp Pro Leu Asp Pro Gly Val Glu Val Thr Leu Thr Met
 38 65 70 75 80
 40 Lys Ala Ala Ser Gly Ser Thr Gly Asp Gln Lys Val Gln Ile Ser Tyr
 41 85 90 95
 43 Tyr Gly Pro Lys Thr Pro Pro Val Lys Ala Leu Leu Tyr Leu Thr Ala
 44 100 105 110
 46 Val Glu Ile Ser Leu Cys Ala Asp Ile Thr Arg Thr Gly Lys Val Lys
 47 115 120 125
 49 Pro Thr Arg Ala Val Lys Asp Gln Arg Thr Trp Thr Trp Gly Pro Cys
 50 130 135 140
 52 Gly Gln Gly Ala Ile Leu Leu Val Asn Cys Asp Arg Asp Asn Leu Glu
 53 145 150 155 160
 55 Ser Ser Ala Met Asp Cys Glu Asp Asp Glu Val Leu Asp Ser Glu Asp
 56 165 170 175
 58 Leu Gln Asp Met Ser Leu Met Thr Leu Ser Thr Lys Thr Pro Lys Asp
 59 180 185 190
 61 Phe Phe Thr Asn His Thr Leu Val Leu His Val Ala Arg Ser Glu Met
 62 195 200 205
 64 Asp Lys Val Arg Val Phe Gln Ala Thr Arg Gly Lys Leu Ser Ser Lys
 65 210 215 220
 67 Cys Ser Val Val Leu Gly Pro Lys Trp Pro Ser His Tyr Leu Met Val

RAW SEQUENCE LISTING

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,451

TIME: 10:58:11

Input Set : A:\Sequence Listing of PCTJP2005001574.txt

Output Set: N:\CRF4\08112006\J588451.raw

```

68 225                230                235                240
70 Pro Gly Gly Lys His Asn Met Asp Phe Tyr Val Glu Ala Leu Ala Phe
71                245                250                255
73 Pro Asp Thr Asp Phe Pro Gly Leu Ile Thr Leu Thr Ile Ser Leu Leu
74                260                265                270
76 Asp Thr Ser Asn Leu Glu Leu Pro Glu Ala Val Val Phe Gln Asp Ser
77                275                280                285
79 Val Val Phe Arg Val Ala Pro Trp Ile Met Thr Pro Asn Thr Gln Pro
80                290                295                300
82 Pro Gln Glu Val Tyr Ala Cys Ser Ile Phe Glu Asn Glu Asp Phe Leu
83 305                310                315                320
85 Lys Ser Val Thr Thr Leu Ala Met Lys Ala Lys Cys Lys Leu Thr Ile
86                325                330                335
88 Cys Pro Glu Glu Glu Asn Met Asp Asp Gln Trp Met Gln Asp Glu Met
89                340                345                350
91 Glu Ile Gly Tyr Ile Gln Ala Pro His Lys Thr Leu Pro Val Val Phe
92                355                360                365
94 Asp Ser Pro Arg Asn Arg Gly Leu Lys Glu Phe Pro Ile Lys Arg Val
95                370                375                380
97 Met Gly Pro Asp Phe Gly Tyr Val Thr Arg Gly Pro Gln Thr Gly Gly
98 385                390                395                400
100 Ile Ser Gly Leu Asp Ser Phe Gly Asn Leu Glu Val Ser Pro Pro Val
101                405                410                415
103 Thr Val Arg Gly Lys Glu Tyr Pro Leu Gly Arg Ile Leu Phe Gly Asp
104                420                425                430
106 Ser Cys Tyr Pro Ser Asn Asp Ser Arg Gln Met His Gln Ala Leu Gln
107                435                440                445
109 Asp Phe Leu Ser Ala Gln Gln Val Gln Ala Pro Val Lys Leu Tyr Ser
110                450                455                460
112 Asp Trp Leu Ser Val Gly His Val Asp Glu Phe Leu Ser Phe Val Pro
113 465                470                475                480
115 Ala Pro Asp Arg Lys Gly Phe Arg Leu Leu Leu Ala Ser Pro Arg Ser
116                485                490                495
118 Cys Tyr Lys Leu Phe Gln Glu Gln Gln Asn Glu Gly His Gly Glu Ala
119                500                505                510
121 Leu Leu Phe Glu Gly Ile Lys Lys Lys Lys Gln Gln Lys Ile Lys Asn
122                515                520                525
124 Ile Leu Ser Asn Lys Thr Leu Arg Glu His Asn Ser Phe Val Glu Arg
125                530                535                540
127 Cys Ile Asp Trp Asn Arg Glu Leu Leu Lys Arg Glu Leu Gly Leu Ala
128 545                550                555                560
130 Glu Ser Asp Ile Ile Asp Ile Pro Gln Leu Phe Lys Leu Lys Glu Phe
131                565                570                575
133 Ser Lys Ala Glu Ala Phe Phe Pro Asn Met Val Asn Met Leu Val Leu
134                580                585                590
136 Gly Lys His Leu Gly Ile Pro Lys Pro Phe Gly Pro Val Ile Asn Gly
137                595                600                605
139 Arg Cys Cys Leu Glu Glu Lys Val Cys Ser Leu Leu Glu Pro Leu Gly
140                610                615                620

```

RAW SEQUENCE LISTING

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,451

TIME: 10:58:11

Input Set : A:\Sequence Listing of PCTJP2005001574.txt

Output Set: N:\CRF4\08112006\J588451.raw

142	Leu	Gln	Cys	Thr	Phe	Ile	Asn	Asp	Phe	Phe	Thr	Tyr	His	Ile	Arg	His
143	625					630					635					640
145	Gly	Glu	Val	His	Cys	Gly	Thr	Asn	Val	Arg	Arg	Lys	Pro	Phe	Ser	Phe
146					645					650						655
148	Lys	Trp	Trp	Asn	Met	Val	Pro									
149					660											

VERIFICATION SUMMARY

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,451

TIME: 10:58:12

Input Set : A:\Sequence Listing of PCTJP2005001574.txt

Output Set: N:\CRF4\08112006\J588451.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date